

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A door locking system comprising:

an assembly including a latching structure ~~having a first undercut feature;~~
a door movably coupled to the assembly, the door including a latch member ~~having a second undercut feature~~ for engagement with the latching structure first undercut feature, the door having a closed position in which the latching member and latching structure first and second undercut features are engaged so that the door is latched to the assembly; and
a movable member coupled to the door for applying ~~an opening a~~ force on the door relative to the assembly toward an opening direction of the door, ~~the engaged undercut features preventing the door from opening when the opening force is applied,~~ the force operating to maintain engagement of the latching structure first undercut feature of the assembly with the latch member second undercut feature of the door to keep the door latched.

Claims 2-3 (canceled).

Claim 4 (canceled).

Claim 5 (currently amended): ~~The door locking system according to claim 4~~ A door locking system comprising:

an assembly including a latching structure having a first undercut feature;
a door movably coupled to the assembly, the door including a latch member having a second undercut feature for engagement with the first undercut feature, the door

having a closed position in which the first and second undercut features are engaged so that the door is latched to the assembly; and

a movable member for applying a force on the door toward an opening direction of the door, the engaged undercut features preventing the door from opening when the opening force is applied, the force operating to maintain engagement of the first undercut feature of the assembly with the second undercut feature of the door to keep the door latched, wherein the latch member includes a handle for operating the latch, the handle capable of pivoting to control alignment of the second undercut feature with the first undercut feature.

Claim 6 (previously presented): The door locking system according to claim 5, wherein the handle is substantially incapable of pivoting when the first undercut feature is engaged with the second undercut feature and the movable member is applying the force.

Claim 7 (currently amended): The door locking system according to claim 1, wherein the movable member is operably coupled to contact an element positioned between the movable member and the assembly when applying the force

~~wherein the movable member is capable of applying a continuous force against at least one of the assembly and the door.~~

Claim 8 (currently amended): The door locking system according to claim ~~[[1]]~~ 7, wherein the element includes a pump cassette

~~wherein the movable member is coupled to one of the door and the assembly.~~

Claim 9 (currently amended): The door locking system according to claim 1, further comprising a handle for moving the latch member from an engagement position to a disengagement position for disengaging the latching structure and the latch member, wherein the handle is substantially incapable of moving the latch member from the engagement position to the disengagement position when the movable member is applying the force

wherein the movable member is positioned between the door and a surface of the assembly.

Claim 10 (currently amended): The door locking system according to claim 1, wherein the movable member ~~[[is]]~~ includes an expandable member.

Claim 11 (original): The door locking system according to claim 10, wherein the expandable member is a bladder.

Claim 12 (original): The door locking system according to claim 1, further including a pneumatic circuit for controlling the movable member.

Claims 13-17 (canceled).

Claim 18 (canceled).

Claim 19 (currently amended): ~~The door locking system according to claim 1~~ A door locking system comprising:

an assembly including a latching structure having a first undercut feature;
a door movably coupled to the assembly, the door including a latch member having a second undercut feature for engagement with the first undercut feature, the door having a closed position in which the first and second undercut features are engaged so that the door is latched to the assembly; and
a movable member for applying a force on the door toward an opening direction of the door, the engaged undercut features preventing the door from opening when the opening force is applied, the force operating to maintain engagement of the first undercut feature of the assembly with the second undercut feature of the door to keep the door latched, further comprising an element positioned between the movable member and at least one of the assembly and the door, wherein the movable member is operably coupled to contact the element when applying the force.

Claim 20 (original): The door locking system according to claim 19, wherein the element is a pump cassette.

Claim 21 (currently amended): A door locking system comprising:
an assembly having a first engagement means;
a door movably coupled to the assembly, the door including a second engagement means for engagement with the first engagement means, the door having a closed position in which the first and second engagement means are engaged so that the door is latched to the assembly; and
movable means coupled to the door for applying ~~an opening~~ a force on the door relative to the assembly toward an opening direction of the door, ~~the engaged undercut features preventing the door from opening when the opening force is applied~~, the force operating to maintain engagement of the first ~~undercut feature~~ engagement means of the assembly with the second ~~undercut feature~~ engagement means of the door to keep the door latched.

Claim 22 (canceled).

Claim 23 (original): The door locking system according to claim 21, further including a handle attached to the second engagement means.

Claim 24 (original): The door locking system according to claim 21, wherein the movable means includes an expandable member.

Claim 25 (original): The door locking system according to claim 24, wherein the expandable member is a bladder.

Claim 26 (currently amended): The door locking mechanism according to claim 21, further including a pneumatic circuit for controlling the ~~moving member~~ movable means.

Claims 27-29 (canceled).

Claim 30 (currently amended): The door locking system according to claim 21, where the movable means is ~~positioned between the door and the assembly~~ operably coupled to contact an element positioned between the movable means and the assembly when applying the force.

Claim 31 (currently amended): The door locking system according to claim ~~[[21]]~~ 30, wherein the element includes a pump cassette
~~wherein the movable means is operably coupled to contact at least one of the assembly and the door.~~

Claim 32 (currently amended): ~~The door locking system according to claim 21~~ A door locking system comprising:
an assembly having a first engagement means;
a door movably coupled to the assembly, the door including a second engagement means for engagement with the first engagement means, the door having a closed position in which the first and second engagement means are engaged so that the door is latched to the assembly; and
movable means for applying a force on the door toward an opening direction of the door, the engaged undercut features preventing the door from opening when the opening force is applied, the force operating to maintain engagement of the first undercut feature of the assembly with the second undercut feature of the door to keep the door latched, further comprising an element positioned between the movable means and at least one of the assembly and the door, wherein the movable member is operably coupled to contact the element when applying the force.

Claim 33 (original): The door locking system according to claim 32, wherein the element is a pump cassette.

Claim 34 (currently amended): A method of locking a door to an assembly with respect to which the door has an open position and a closed position, the method comprising:

engaging a ~~first undercut feature~~ latching structure of the assembly with a ~~second undercut feature latch member~~ of the door when the door is in the closed position so that the door is latched to the assembly; and

applying ~~an opening a~~ force on the door relative to the assembly toward an opening direction of the door using a movable member coupled to the door, the engaged undercut features preventing the door from opening when the opening force is applied, the force operating to maintain engagement of the ~~first undercut feature latching structure~~ of the assembly with the ~~second undercut feature latch member~~ of the door to keep the door latched.

Claims 35-38 (canceled).

Claim 39 (currently amended): The door locking method according to claim 34, wherein the movable member includes an expandable member, and wherein applying the force includes expanding ~~an~~ the expandable member.

Claim 40 (previously presented): The door locking method according to claim 39 wherein the expandable member is a bladder, and wherein expanding the expandable member includes pneumatically operating the bladder.

Claims 41-43 (canceled).

Claim 44 (currently amended): The door locking method according to claim 34, wherein applying the force includes placing the movable member in contact with an element positioned between the movable member and the assembly

~~wherein applying the force includes placing a movable member in contact with at least one of the assembly and the door.~~

Claim 45 (currently amended): ~~The door locking method according to claim 34~~ A method of locking a door to an assembly with respect to which the door has an open position and a closed position, the method comprising:

engaging a first undercut feature of the assembly with a second undercut feature of the door when the door is in the closed position so that the door is latched to the assembly; and

applying a force on the door toward an opening direction of the door, the engaged undercut features preventing the door from opening when the opening force is applied, the force operating to maintain engagement of the first undercut feature of the assembly with the second undercut feature of the door to keep the door latched, wherein applying the force includes placing a movable member in contact with an element positioned between at least one of the assembly and the door, such that a force is generated on at least one of the assembly and the door.

Claim 46 (original): The door locking method according to claim 45, wherein the element is a pump cassette.

Claim 47 (currently amended): A method of locking a door to an assembly with respect to which the door has an open position and a closed position, the method comprising:

engaging a first undercut feature latching structure of the assembly with a second undercut feature latch member of the door when the door is in the closed position so that the door is latched to the assembly; and

inflating a bladder coupled to the door so as to apply an opening a force on the door relative to the assembly toward an opening direction of the door, ~~the engaged undercut features preventing the door from opening when the opening force is applied,~~ the force operating to prevent movement of the second undercut feature latch member of the door relative to the first undercut feature latching structure of the assembly.